



Stormwater Master Plan



SIM 1 -Uptown Roadway
Improvements



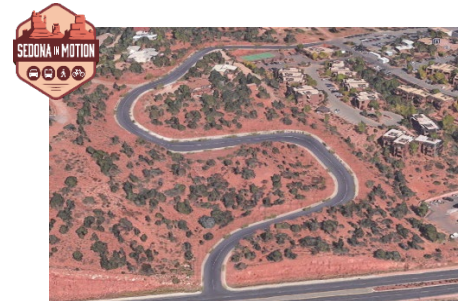
PD Shooting Range



SIM 3A & 3B - Uptown Parking
Wayfinding, and One-Way



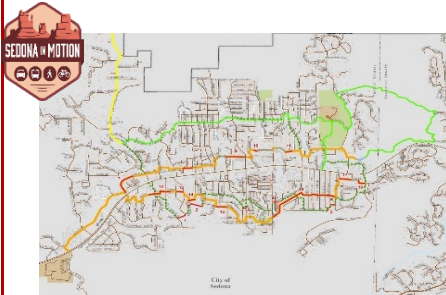
SIM 4C - Pedestrian Crossing
at Tlaquepaque



SIM 5B - Forest Road
Connection



City of Sedona Public Works Department Capital Improvements Plan (CIP)



SIM 11A - Bicycle & Pedestrian
Improvements



SIM 12A - Traveler Information
Traffic Data Services



WWRP Tertiary Filters

August 2019 - FY20 Project Updates

WEB
LINK:
www.sedonaaz.gov/CIP



FY20 CIP Update

August 2019 - Updates

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WWRP Administrative Building Remodel

FY20 CIP Update



KEY FEATURES:

Consultant: Don Woods Architect

Contractor: Skyline Builders

Timing: FY 19 - 20

Construction Challenges:

- Accommodating staff work space during construction

Project Manager:

Robert Welch, PE
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City Engineer:

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\$ FY20 Project Budget: \$84,500

Total Project Budget: \$343,500

The administrative building at the Wastewater Reclamation Plant was constructed in 1999. Since that time, the department has undergone organizational changes resulting in the need for more offices, additional storage space, more secure space for SCADA computers and IT network servers, and a larger meeting room.

The remodel will entail a small building addition and reallocation of space to provide for a larger conference room, new offices, a secure SCADA/IT room, and added storage. Remodel efforts will also include replacing current light fixtures with new energy efficient LED lighting and smart controls that incorporate occupancy sensing and daylight harvesting control technologies for added energy conservation. Added office space, security of computer network servers, and security of SCADA systems supporting automated operations of the WWRP are essential components of the remodel.

Status: Construction is complete.

The construction included a minor building addition together with new wall partitioning to reallocate interior space for offices, copier/reproduction room, and filing.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

August 2019

Project Phase	% Completion	Completion Date
Design	100%	Winter 2018
Construction	100%	August 2019



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Courtroom Remodel

FY20 CIP Update



KEY FEATURES:

Consultant: Don Woods Architect

Contractor: TBD

Construction Challenges:

- Efficiently utilize space to create a functional court house

Project Manager:

Ryan Mortillaro, EIT
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RMortillaro@SedonaAZ.gov

City Engineer:

J. Andy Dickey, PE
 (928) 203-5039

ADickey@SedonaAZ.gov

\$ FY20 Project Budget: \$271,907

Total Project Budget: \$271,907

The court and City Council often compete for the usage of the existing court chambers at City Hall. As court usage steadily increases, the need for a dedicated full time court house is becoming a basic need. The extent of this project is to remodel the interior of the building on 55 Sinagua Drive. This will be a full remodel and will ensure court functions and needs are met.

Status: Bid opening happened on January 30, 2019 and no successful bids were received. Staff obtained an additional proposal, which did not meet budgetary needs. Re-strategization is necessary before moving forward with the project.

For a copy of this update, or updates for other projects, visit the projects website at:
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Project Status

August 2019

Project Phase	% Completion	Completion Date
Design	100%	December 2018
Construction	0%	TBD



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PD Facility Renovation

FY20 CIP Update



KEY FEATURES:

Consultant: TBD

Contractor: TBD

Construction Challenges:

- Remodel with minimal disruption to Police Department function
- Meet the police department's needs and create a functional and efficient floor plan.

Project Manager:

Ryan Mortillaro, EIT

(928) 203-5091

RMortillaro@SedonaAZ.gov

City Engineer:

J. Andy Dickey, PE

(928) 203-5039

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\$ FY20 Project Budget: \$229,019

Total Project Budget: \$2,511,168

The Police Department has determined the need to efficiently remodel underutilized floor space. This project will assess the full needs of the Police Department, and may result in a full remodel of the existing station, and the addition of new floor space.

Status: The city is currently preparing documents to advertise for a request for qualifications (RFQ) to select a qualified and experienced architect to design the renovation. As of August, the non-mandatory pre-submittal conference is complete. Submittals are due on September 9 at 4:00 PM.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

August 2019

Project Phase	% Completion	Completion Date
Design	0%	FY20
Construction	0%	FY22



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PD Shooting Range Improvements Phase II

FY20 CIP Update



KEY FEATURES:

Consultant: In-House, Lyon
Engineering

Contractor: TBD

Construction Challenges:

- N/A

Project Manager:
Ryan Mortillaro, EIT
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City Engineer:
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\$ FY20 Project Budget: \$164,954
Total Project Budget: \$164,954

The Police Department has determined the need for a more functional shooting range facility. The shooting range will see improvements to restroom facilities, storage, and an additional briefing/presentation room.

Status: Phase I of the PD Shooting Range Improvements project was to procure and install a modular classroom. This portion of the project has been completed, and a modular classroom was procured and installed at the shooting range. Also included was the installation of an ADA accessible ramp and staircase.

Construction of Phase II of the project is expected to begin in FY20. This phase will construct a potable water well, provide water and sewer service to the modular classroom, upgrade site lighting, and installation of associated electrical equipment.

Bids were received on August 1, and Caruso Construction is the successful bidder. This contract will be going to council on September 10 for approval.

For a copy of this update, or updates for other projects, visit the projects website at:
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Project Status

August 2019

Project Phase	% Completion	Completion Date
Design	100%	Summer 2017
Construction	0%	Summer 2019



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Stormwater Master Plan Update

FY20 CIP Update



KEY FEATURES:

Consultant: TBD

Contractor: N/A

Timing:

Phase I: FY 2020

Phase II: FY 2021

Phase III: FY 2022

Construction Challenges

N/A

Project Manager:

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(928) 204-7108

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City Engineer:

J. Andy Dickey, PE

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\$ FY20 Project Budget: \$100,000

Total Project Budget: \$400,000

In FY20, we will begin an update of the 2005 Stormwater Master Plan (Phase I). This Stormwater Master Plan Update (SWMPU) will include looking at facility improvements and priorities. This will also account for the infrastructure completed since the 2005 Plan was complete and will include public outreach to identify new problem areas.

In FY21, we will continue to update the Master Plan (Phase II) to include hydrology and the study of existing conditions in problem areas. The estimated costs of potential improvements will be determined as well.

In FY22, we will complete the SWMPU (Phase III) to include remapping of the floodplains reduced by previous storm drainage improvement projects.

The City has an IGA with the Yavapai County Flood Control District (YCFCD) in which the YCFCD will be covering the \$100,000 budget for the consultant cost in FY20.

Status: Phase I of this SWMPU is budgeted in FY20, Phase II is budgeted in FY21, and Phase III is budgeted in FY22. City staff are currently working on procuring a consultant through a qualifications-based selection process to perform all three of the phases for this SWMPU.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

August 2019

Project Phase	% Completion	Completion Date
SWMP Update – Phase I	0%	FY20
SWMP Update – Phase II	0%	FY21
SWMP Update – Phase III	0%	FY22



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Sunset Drive Crossing Drainage Improvements

FY20 CIP Update



KEY FEATURES:

Consultant: JE Fuller, Inc.

Contractor: TBD

Timing:

Design: FY 2020

Construction: FY 2021

Construction Challenges

- Commercial & Park Access
- Maintenance of Utilities
- Maintenance of Drainage
- Maintenance of Traffic

Project Manager:

David Peck, EIT

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DPeck@SedonaAZ.gov

City Engineer:

J. Andy Dickey, PE

(928) 203-5039

ADickey@SedonaAZ.gov

\$ FY20 Project Budget: \$135,350

Total Project Budget: \$1,150,750

This project includes design and installation of storm drainage improvements at the low-water crossing on Sunset Drive. These storm drainage improvements will provide for approximately 2,650 cubic feet per second (25-year runoff event) crossing capacity underneath the roadway and a new pedestrian connection between S. Monte Verde Drive and Sunset Park. A Sidewalk/Public Access Easement on the west side of Sunset Drive for the pedestrian connection was acquired by the City in 2006.

The City has an IGA with the Yavapai County Flood Control District (YCFCD) in which the YCFCD will be covering \$100,000 of the design cost and \$350,000 of the construction cost of this project.

Status: The design work for this project is budgeted in FY20. The design process will start in August 2019. The construction for this project is budgeted in FY21.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

August 2019

Project Phase	% Completion	Completion Date
Design	5%	FY20
Construction	0%	FY21



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Sedona in Motion 1 – Uptown Roadway Improvements

FY20 CIP Update



KEY FEATURES:

Consultant: Kimley-Horn

Contractor: Eagle Mountain
Construction

Timing: April 2018 – June 2020

Construction Challenges:

- Heavy vehicular and pedestrian traffic
- Land acquisition

Project Manager:

Stephen Craver, PE
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City Engineer:

J. Andy Dickey, PE
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\$ FY20 Project Budget: \$4,001,607
Total Project Budget: \$4,856,172

This project is a result of the Transportation Master Plan. It was identified by Council as the highest priority project. The project will include construction of a raised median with a decorative barrier and landscaping; construction of a roundabout at the north end of Uptown; construction of an additional southbound travel lane on SR 89A through Uptown; construction of a roundabout on SR 89A at Jordan Road; development of a new access to public parking via Schnebly Road; and traffic signal alterations. A Construction Manager at Risk (CMAR) contract with Eagle Mountain Construction (EMC) was approved by City Council on May 29th, and construction activities began on June 3.

Status: The project will be constructed in 5 phases. Phase 1 has focused on improvements for the Jordan Road roundabout. The first layer of pavement at the roundabout was completed on August 29, and the roundabout was functional before Labor Day weekend. The northern roundabout has experienced some delays with ADOT permitting, but the contractor has been able to work down the west side of SR 89A to continue on schedule, including the dry stacked rock wall in front of Clear Creek Trading Company. Phase 2 will focus on edge of road improvements on the west side of SR 89A, along with construction of the northern roundabout.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

August 2019

Project Phase	% Completion	Completion Date
Design	100%	May 2019
Construction	25%	June 2020



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Sedona in Motion 3A, 3B – Uptown Parking, Wayfinding, and One-Way

FY20 CIP Update



KEY FEATURES:

Consultant: Axia Creative (wayfinding)
 Kimley-Horn (one-way streets)
 Walter P Moore (parking garage)

Contractor: TBD

Timing: July 2018 – FY 20

Construction Challenges:

- ADOT approval and siting for signage
- Width of Uptown roadways
- Maintenance of access

Project Manager:

Stephen Craver, PE
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City Engineer:

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\$ FY20 Project Budget: \$410,000

Total Project Budget: \$719,598

This project is a result of the Transportation Master Plan. This project consists of providing branded vehicular and pedestrian wayfinding throughout the City, and parking improvements in the Uptown area. In response to multiple concerns from residents and police department personnel related to parking issues, this strategy includes analysis for conversion of Van Deren, Wilson, and Smith Roads into one-way streets. Although it is recognized that this conversion to one-way may reduce convenience and efficiency of trips, it would potentially allow adequate space for safer parking and pedestrian/biking traffic.

Status: The next phase of vehicular wayfinding has begun for branded vehicular wayfinding throughout the entire city to indicate points of interest including parks and trailheads. An online survey for design of monument signs at entry points to the City was completed in June, and results are being reviewed by staff. Kimley-Horn has completed a preliminary analysis of one-way streets in Uptown for Van Deren, Wilson, and Smith Roads. Staff is reviewing the findings, and an outreach effort with residents in this area will be initiated in conjunction with the Uptown CFA. Walter P. Moore has been selected as the consultant to conduct a parking garage siting study. They have identified several potential locations for a garage, and are proceeding with conceptual designs. The overall study is expected to be complete in October.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

August 2019

Project Phase	% Completion	Completion Date
Design	60%	TBD
Construction	0%	TBD



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Sedona in Motion 4C – Pedestrian Crossing at Tlaquepaque

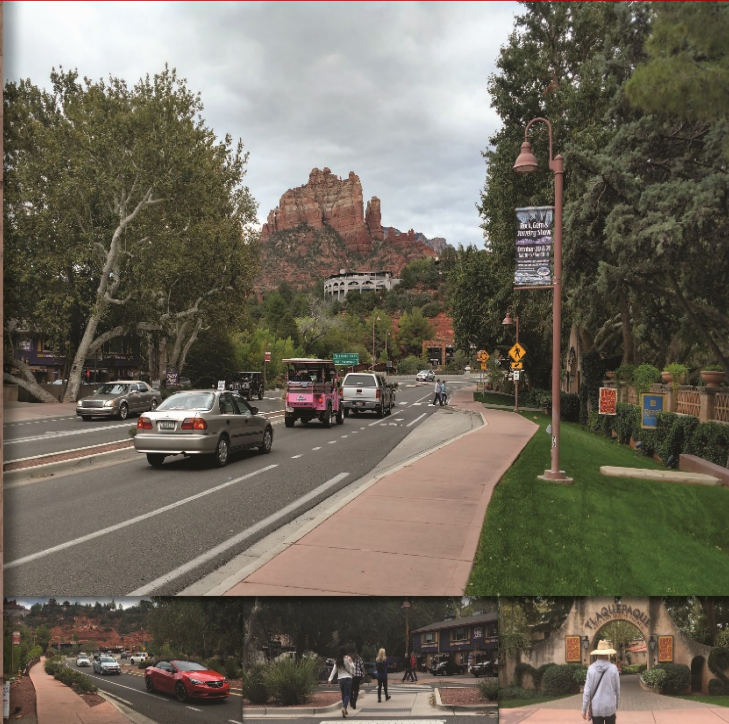
FY20 CIP Update

**FINAL
FEASIBILITY
REPORT**

State Route 179
at Tlaquepaque
Pedestrian Crossing

June 2019

Prepared for the
City of Sedona



KEY FEATURES:

Consultant: JE Fuller/WSP

Contractor: TBD

Timing: FY 2018 – FY 2024

Construction Challenges:

- Heavy vehicular and pedestrian traffic
- Land acquisition
- Potential for restricted work hours
- Floodplain
- Property impacts
- Utility impacts

Project Manager:

Robert Welch, PE
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BWelch@SedonaAZ.gov

City Engineer:

J. Andy Dickey, PE
(928) 203-5039

ADickey@SedonaAZ.gov

\$ FY20 Project Budget: \$252,500

Total Project Budget: \$2,261,100

This project is one of the transportation projects identified in the Transportation Master Plan and by Council as a priority. The project proposes construction of a pedestrian bridge, tunnel, or other pedestrian crossing of State Route 179 between Oak Creek and SR 89A. A pedestrian bridge, tunnel, or other grade separated crossing in this area would eliminate conflicts between pedestrians and vehicles on this segment of SR 179. Traffic flow and pedestrian crossing safety would be improved, and broader area traffic congestion would be reduced.

Status: The Feasibility Report has been completed. Four pedestrian crossing concepts of SR 179 have been developed as follows:

1. Pedestrian Overpass (bridge structure);
2. Pedestrian Underpass (tunnel structure);
3. Pedestrian Underpass of SR 179 Oak Creek Bridge (featured illustration); and
4. At-Grade Signalized Pedestrian Crossing (a featured illustration above).

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Staff is currently pursuing contracting options for final design development of the preferred crossing as defined by concept 3 and anticipates commencing the design by October.

Project Status

August 2019

Project Phase	% Completion	Completion Date
Design	0%	June 2020
Construction	0%	FY 21



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Sedona in Motion 4D – SR 89A & SR 179 Y Roundabout Bypass Lanes

FY20 CIP Update



KEY FEATURES:

Consultant: ADOT In-House Design

Contractor: TBD

Timing: July 2018 – FY 22

Construction Challenges:

- Potential land acquisition
- Maintenance of traffic/access
- Maintaining available parking

Project Manager:

Stephen Craver, PE

(928) 203-5059

SCraver@SedonaAZ.gov

City Engineer:

J. Andy Dickey, PE

(928) 203-5039

ADickey@SedonaAZ.gov

\$ FY20 Project Budget: \$300,650

Total Project Budget: \$2,392,614

This project is a result of the Transportation Master Plan. The project consists of dedicated right turn lanes toward southbound SR 179, and toward Uptown, at the “Y” roundabout. The turn lanes could be separated from the roundabout by a narrow median. This allows those specific turning movements to bypass the roundabout. The right turns can be made more efficiently because it only requires a merge at the end of the lane rather than a full yield to enter the roundabout, and it also removes those vehicles from the overall capacity of the roundabout. ADOT Northcentral district was awarded competitive district minor project funding, with in-house design starting in FY 19. ADOT will be the lead jurisdiction on the project but the City has committed to contribute 50% of the overall funding. An IGA with ADOT formalizing the City’s contribution was approved at the October 23, 2018 City Council meeting. The IGA was approved by the State Transportation Board on May 17.

Status: A project kick-off meeting, along with a meeting with adjacent property owners and stakeholders, was held on June 3 to get their input about the project. Field survey was completed in July, and an initial scoping letter will be sent to property owners in September. Staff is working with ADOT to refine the public involvement plan for the project, and refine design concepts and constraints. Current anticipation is that construction would start in May 2021.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

August 2019

Project Phase	% Completion	Completion Date
Design	5%	December 2020
Construction	0%	FY22

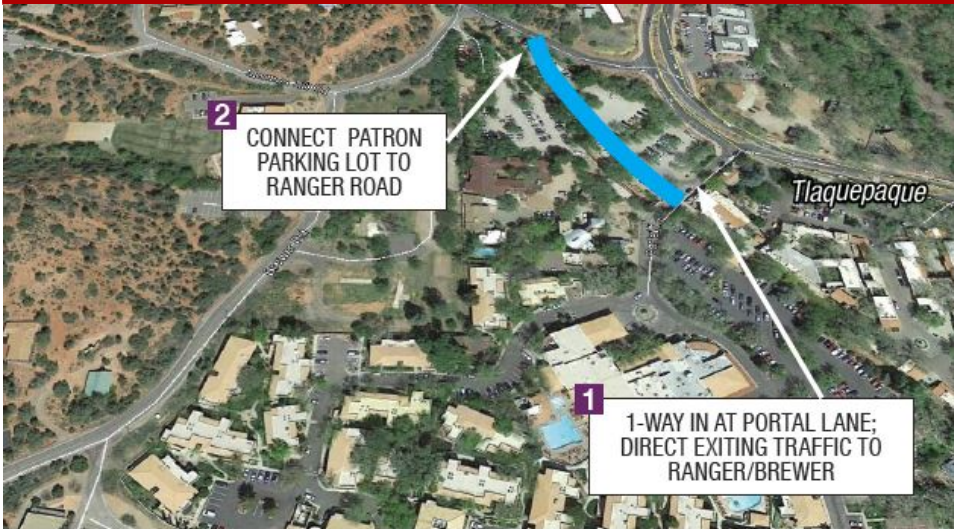


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Sedona in Motion 5A – Portal-Brewer-Ranger Connection

FY20 CIP Update



KEY FEATURES:

Consultant: Shephard-Wesnitzer (SWI)

Contractor: TBD

Timing: June 2018 – FY 20

Construction Challenges:

- Land acquisition
- Maintenance of parking / traffic
- Proximity to Soldier Wash

Project Manager:

Stephen Craver, PE

(928) 203-5059

SCraver@SedonaAZ.gov

City Engineer:

J. Andy Dickey, PE

(928) 203-5039

ADickey@SedonaAZ.gov

\$ FY20 Project Budget: \$300,000

Total Project Budget: \$755,513

This project is a result of the Transportation Master Plan. It was identified by Council as a high priority project. The project considers directing exiting vehicles on to Ranger Road and/or Brewer Road during high peak tourist seasons, and during special events. This will greatly reduce the number of vehicles needing to make a U-turn at the Schnebly Hill roundabout, which will reduce congestion and improve travel time for northbound SR 179. Land acquisition may be necessary to make this a public connection. A contract has been executed with SWI to conduct a feasibility study and design of the preferred location of connections. A kickoff meeting was held on July 26, 2018.

Status: Staff is currently focused on identifying project opportunities and needs, with stakeholder input, to capture all appropriate components of the feasibility analysis. City staff have met with property owners (Los Abrigados and Tlaquepaque) who will be potentially impacted by the project. The consultant has completed 30% preliminary plans that are being reviewed by staff. A test of this connection was conducted by City staff in cooperation with Tlaquepaque from mid to late April. The lift station gate was opened, and signage was in place directing vehicles headed toward West Sedona or Uptown. Staff is still analyzing the results of the test, and exploring potential changes to the Tlaquepaque parking lot that could improve flow and capacity.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

August 2019

Project Phase	% Completion	Completion Date
Design	50%	December 2019
Construction	0%	TBD



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Sedona in Motion 5B – Forest Road Connection

FY20 CIP Update



KEY FEATURES:

Consultant: Southwestern
 Environmental Consultants (SEC)

Contractor: TBD

Timing: December 2017 – FY 2021

Construction Challenges:

- Extremely steep slopes
- Land acquisition

Project Manager:
 Stephen Craver, PE
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City Engineer:
 J. Andy Dickey, PE
 (928) 203-5039
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\$ FY20 Project Budget: \$1,205,800
Total Project Budget: \$3,144,900

This project is a result of the Transportation Master Plan. It was identified by Council as a high priority project. The connection will allow for residents, who live in the Uptown area, to avoid SR 89A and the “Y” when traveling to and from West Sedona. Land acquisition will be necessary to make this a public connection.

Status: A final Feasibility/Concept Design for Forest Road Connection was completed by the city’s consultant, Southwestern Environmental Consultants, Inc. (SEC). The final alignment options identified two alternatives. Alignment Option 1 (shown above) extends Forest Road westerly and then southerly to connect with SR 89A approximately 300 feet west of the Brewer Road roundabout. Alignment Option 2 extends Forest Road further west, then southerly, and then back easterly to connect similarly with SR 89A.

Staff received direction from City Council to pursue design and construction of Alignment Option 1 with consideration for bike lanes and sidewalk(s). A solicitation requesting proposals from Engineering Design Consultants has been posted. Staff will be reviewing proposals from interested consultants in early September.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

August 2019

Project Phase	% Completion	Completion Date
Design	0%	June 2020
Construction	0%	FY 21



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Sedona in Motion 8 – Enhanced Transit Service - Tourism

FY20 CIP Update



KEY FEATURES:

Consultant: LSC Transportation Consultants, Inc.

Contractor: TBD

Timing: July 2018 – FY 20

Construction Challenges:

- Bus stop locations
- Park and ride lot locations

Project Manager:
 Stephen Craver, PE
 (928) 203-5059
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City Engineer:
 J. Andy Dickey, PE
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\$ FY20 Project Budget: \$1,120,000
Total Project Budget: \$51,300,000

This project is a result of the Transportation Master Plan. It was identified by Council as a high priority project. This project consists of providing enhanced transit from the Village of Oak Creek, continuing north on SR 179 and SR 89A in to Oak Creek Canyon. It could include periodic stops and park and ride lots, and trailhead service. The Technical Advisory Committee (TAC) for the project includes representatives from City staff, ADOT, US Forest Service, AZ State Parks, Coconino County, Verde Lynx, Sedona Fire District, and the Sedona Chamber of Commerce.

Status: A TAC meeting was held in July to discuss the modeling of service options, as well as governance options, funding strategies, and marketing strategies. The consultant is now working on some final modifications to modeling of improvements before the study is completed in October.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

August 2019

Project Phase	% Completion	Completion Date
Design	90%	October 2019
Construction	0%	TBD

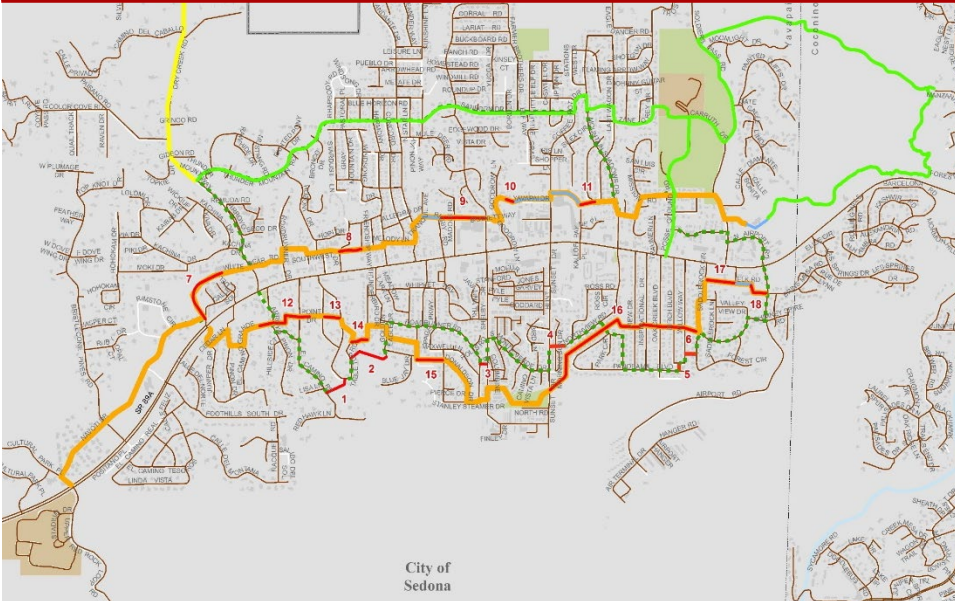


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Sedona in Motion 11A – 11L – Bicycle and Pedestrian Improvements

FY20 CIP Update



KEY FEATURES:

Consultant: Shephard-Wesnitzer (SWI)

Contractor: TBD

Timing: July 2018 – FY 2020

Construction Challenges:

- Easement/Land acquisition
- Developing connections within existing Right of Way.

Project Manager:

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 (928) 203-5092

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City Engineer:

J. Andy Dickey, PE
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ADickey@SedonaAZ.gov

\$ FY20 Project Budget: \$185,000

Total Project Budget: TBD

This project is a result of the Transportation Master Plan. It was identified by Council as a high priority project. The project is in process and currently exploring opportunities. Public Works staff is collaborating with Community Development staff to identify early projects and focus areas. A scope of work has been developed by a local consultant to provide construction plans for several high priority areas:

- Chapel Road – from SR-179 ROW to Cathedral Lane. (In design)
- Dry Creek Road – from the FS-152 to Two Fences Trail Head. (In design)
- Navoti Drive to Dry Creek Road – bike and pedestrian path connector. (In design)
- Schnebly Hill Road – from the roundabout along the west side of Schnebly Hill Road to Bear Wallow Lane. (In design)
- Shelby Drive – bike lane on west side, from State Route 89A to the entrance to Sunset Park.
- Southwest Drive – from the Dry Creek Road along Southwest Drive to Rodeo Road.
- Sunset Park – from the Shelby Drive thru Sunset Park to Sunset Drive (Completed).

Status: A contract has been executed with SWI to conduct a feasibility study and preliminary design to identify the preferred location of the paths and connections. Staff is currently focused on identifying project opportunities and needs with stakeholder input in order to capture all appropriate components of the feasibility analysis. Preliminary alignments have been identified and are being assessed. The Sunset Park connection is complete and open for use. For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

August 2019

Project Phase	% Completion	Completion Date
Design	60%	December 2019
Construction	5%	TBD

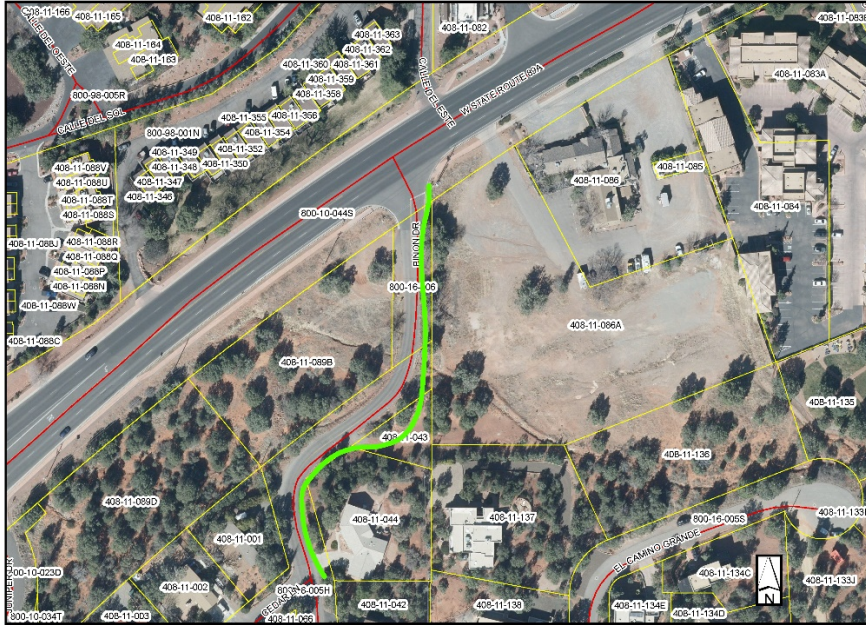


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Sedona in Motion 11J - Pinon Drive Bicycle and Pedestrian Improvements

FY20 CIP Update



Legend
 Proposed 10' Path ———

KEY FEATURES:

Consultant: Babbitt Nelson Engineering

Contractor: Selection October 2019

Timing: FY 2020

Construction Challenges:

- Encroachments into private property will likely occur with homeowners and the Pinon Loft Apartment development.
- Easement/land acquisition.

Project Manager:
 Ryan Mortillaro, EIT
 (928) 203-5091
RMortillaro@SedonaAZ.gov

City Engineer:
 J. Andy Dickey, PE
 (928) 203-5039
ADickey@SedonaAZ.gov

\$ FY20 Project Budget: TBD
Total Project Budget: TBD

This project is a result of the overall recommendations of the Transportation Master Plan to create 10' wide urban shared-use paths where possible which will eventually connect citywide. This project will result in a 10' urban shared-use path beginning from SR 89A and Pinon Drive all the way down to Cedar Lane and Pinon Drive.

Status: Babbitt Nelson Engineering is currently finalizing the design for this pathway. When the final plans are prepared, the affected property owners will be notified of the changes and the city will accept input and execute easement agreements.

Redlined plans were provided back to Babbitt Nelson for review and revision. ADOT to provide input on proposed plan revisions. Plan set nearing completion.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

August 2019

Project Phase	% Completion	Completion Date
Design	95%	September 2019
Construction	0%	Fall 2019



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Sedona in Motion 11G – Thunder Mountain/Sanborn SUP and Drainage Imp

FY20 CIP Update



KEY FEATURES:

Consultant: Shepherd-Wesnitzer, Inc.

Contractor: Tiffany Construction Co. for drainage. The contractor for the shared use path is TBD.

Timing:

Design: FY 2020

Construction: Drainage, FY 2020

Shared Use Path, FY 2021

Construction Challenges

- Residential Access
- Maintenance of Utilities
- Maintenance of Drainage
- Maintenance of Traffic

Project Manager:

David Peck, EIT

(928) 204-7108

DPeck@SedonaAZ.gov

City Engineer:

J. Andy Dickey, PE

(928) 203-5039

ADickey@SedonaAZ.gov

\$ FY20 Project Budget: \$1,492,570

Total Project Budget: \$2,312,570

This project includes design and construction of a 10-foot wide shared use concrete path (SUP) from the east end of the Thunder Mountain Subdivision to Coffee Pot Drive (one-mile) along the south side of the roadway. The pathway portion of this project will be designed during FY20 and constructed during FY21. The project also involves design and installation of storm drainage improvements along Thunder Mountain Road from Rhapsody Road to Andante Drive (aka Harmony/Windson Phase 5). Other drainage related work will be necessary to accommodate the SUP as it continues east of Andante Drive to Coffee Pot Drive. The City has an IGA with the Yavapai County Flood Control District (YCFCD) in which the YCFCD will be covering \$150,000 of the FY20 design/construction cost of the drainage portion of the project.

This same one-mile stretch of roadway is scheduled for milling and repaving along with new Sedona Red concrete curb & gutter along the south side during FY21. STBG funds in the amount of \$353,454 will be used toward this separate "Sanborn Drive/Thunder Mountain Road Overlay Project".

Status: The design work for this project is budgeted in FY20, and started in July 2019 with local consultant SWI, Inc. The construction for the drainage portion of this project is budgeted in FY20, while the construction of the SUP portion of this project is budgeted in FY21. The project is currently in the early phase of design. We will also be contracting with Kimley-Horn, Inc. regarding fine details for the SUP.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

August 2019

Project Phase	% Completion	Completion Date
Design	20%	FY20
Construction	0%	FY20 & FY21



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Sedona in Motion 12A, 12B – Traveler Information – Traffic Data & Video Services

FY20 CIP Update



KEY FEATURES:

Consultant: Verizon Smart Cities
 (Travel Time)

SEC, Inc. (camera installation)

Contractor: TBD

Timing: July 2018 – FY 20

Construction Challenges:

- Communications capabilities

Project Manager:
 Stephen Craver, PE
 (928) 203-5059
SCraver@SedonaAZ.gov

City Engineer:
 J. Andy Dickey, PE
 (928) 203-5039
ADickey@SedonaAZ.gov

\$ FY20 Project Budget: \$30,000
Total Project Budget: \$1,047,000

This project is a result of the Transportation Master Plan (TMP). It was identified by Council as a high priority project. This project consists of providing real-time information to travelers through a variety of methods.

Status: The travel time information signage as shown in the image above is being displayed by ADOT on overhead Digital Message Signs on the I-17 corridor as of December 11, 2018. Current travel times for those signs can be viewed by visiting AZ511.gov. Staff is working with ADOT to ensure the messaging is accomplishing the goals of reducing travel times and congestion within the City. Staff is also working with a consultant to identify locations for camera installations along the SR 179 and SR 89A corridors, to allow residents and tourists to view current traffic conditions. FY20 budget is for installation of these cameras. Verizon Traffic Data Solutions is providing ongoing travel time information to gauge congestion frequency/duration, and gauge benefits of completed projects. This data will also provide ongoing origin-destination data that will be valuable for other projects and tourism metrics. Verizon is currently working to calibrate travel time data that has been collected and refine the functionality of the web platform. The first quarterly origin-destination report has been received and is being reviewed by staff.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

August 2019

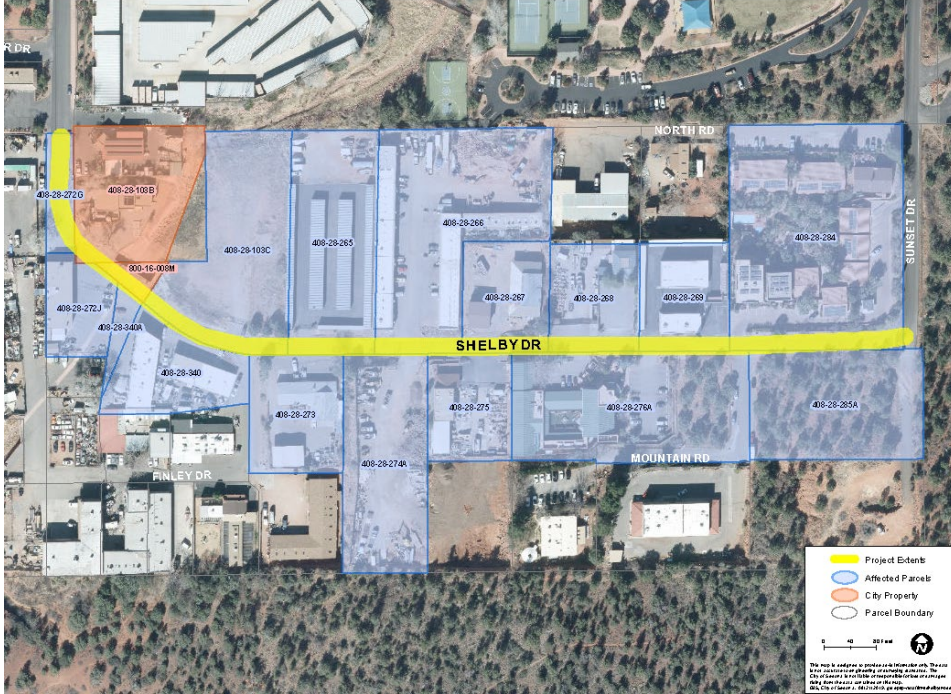
Project Phase	% Completion	Completion Date
Design	60%	TBD
Construction	0%	TBD



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Shelby Drive Roadway Improvements Project

FY20 CIP Update



KEY FEATURES:

Consultant: Shephard Wesnitzer, Inc.
 (SURVEY)

Contractor: TBD

Construction Challenges:

- Minimal disturbance to businesses
- Right-of-way dedication to the city of Sedona

Project Manager:

Ryan Mortillaro, EIT
 (928) 203-5091

RMortillaro@SedonaAZ.gov

City Engineer:

J. Andy Dickey, PE
 (928) 203-5039

ADickey@SedonaAZ.gov

\$ FY20 Project Budget: \$250,000
Total Project Budget: \$1,250,000

This project is a result of the recommendations as laid out by the Sunset Live/Work Community Focus Area (CFA). The CFA identified the portion of Shelby Drive within the AAA Industrial Park subdivision as a key area for economic development and improvement. As this roadway is privately owned the roadway will need to be dedicated as public right-of-way for the project to succeed. If the roadway is dedicated to the public, it will be improved with new pavement, curbs, gutters, and sidewalks, as well as bringing sewer service.

Status: The city received a grant from the State of Arizona for \$500,000 to put toward this project. Staff has reached out to affected property owners. All property owners who responded have expressed support for the project, however some have not responded. Shephard Wesnitzer has been hired to perform boundary surveys, topography, complete the plat amendment, and write legal descriptions/title fee documents. Shephard Wesnitzer has begun survey work.

The city is currently in the process of hiring an engineering design consultant.

For a copy of this update, or updates for other projects, visit the projects website at:
www.sedonaaz.gov/CIP.

Project Status

August 2019

Project Phase	% Completion	Completion Date
Design	0%	May 2020
Construction	0%	TBD



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Mystic Hills & Chapel Lift Station Replacement

FY20 CIP Update



KEY FEATURES:

Consultant: Sunrise Engineering, Inc.

Contractor: Kinney Construction Services, LLC

Timing: April 2018 – February 2020

Construction Challenges:

- Maintaining operation during construction

Project Manager:

Robert Welch, PE
(928) 203-5120
BWelch@SedonaAZ.gov

City Engineer:

J. Andy Dickey, PE
(928) 203-5039
ADickey@SedonaAZ.gov

\$ FY20 Project Budget: \$2,088,100

Total Project Budget: \$2,834,800

A condition assessment of existing sewer infrastructure and capacity analysis of the City's Wastewater Collection System was completed as part of the Wastewater Master Plan Update. Evaluation of the operation of the City's 17 lift stations led to identification of improvements needed at 2 of the lift stations: Mystic Hills and Chapel.

This project will provide for design and construction to increase the wet well and pump capacity for both the Mystic Hills and Chapel lift stations.

Status: Major pre-fabricated and pre-assembled lift station components are in the process of being constructed and assembled in offsite supplier facilities. As the Contractor awaits the assembly and delivery of these components only limited construction activity will be occurring on each of the sites.

Construction is approximately 11% complete.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

August 2019

Project Phase	% Completion	Completion Date
Design	100%	January 2019
Construction	11%	February 2020



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WWRP Tertiary Filters Upgrade

FY20 CIP Update



KEY FEATURES:

Consultant: Carollo Engineers, Inc.

Contractor: Strategic Construction Solutions, Inc.

Construction Challenges:

- Maintaining operation during construction

Project Manager:

Roxanne Holland, PE
 (928) 203-5069
RHolland@SedonaAZ.gov

City Engineer:

J. Andy Dickey, PE
 (928) 203-5039
ADickey@SedonaAZ.gov

\$ FY20 Project Budget: \$1,221,632
Total Project Budget: \$1,916,372

The tertiary filters at the Wastewater Reclamation Plant (WWRP) are essential to the treatment process. Currently the tertiary filters consist of sand filters, which are part of the original design of the WWRP. Recently, inefficiencies of the filters have surfaced and costly repairs are needed.

Carollo Engineers prepared a Preliminary Design Report (PDR) which evaluated the efficiencies, capital cost, and operating cost of rehabilitating the existing sand filters vs. switching to a different type of media for tertiary filtration. The PDR determined that the most beneficial option is to change to a cloth media disk filter.

Status: Strategic Construction Solutions, Inc. continues to make preparations for new concrete walls to be poured which will divide the existing filter beds into new filter cells.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

August 2019

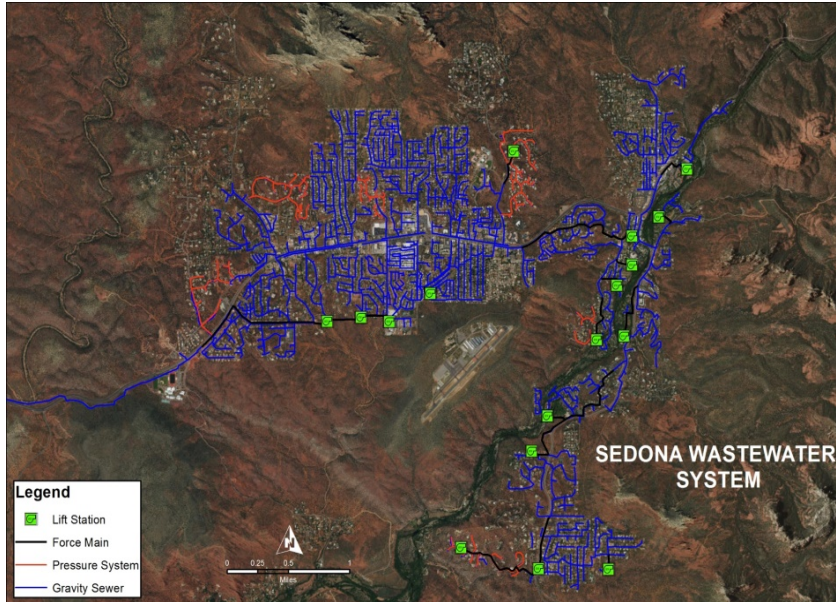
Project Phase	% Completion	Completion Date
Design	100%	Winter/Spring 2019
Construction	15%	Winter 2019



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SR179 Sewer Main Upsize

FY20 CIP Update



KEY FEATURES:

Consultant: Sunrise Engineering, Inc.

Contractor: Kinney Construction, LLC

Timing: Spring 2019 – FY 20

Construction Challenges:

- Potential by-pass operations
- Maintaining sewer service in the area
- Construction traffic control

Project Manager:

Roxanne Holland, PE

(928) 203-5069

RHolland@SedonaAZ.gov

City Engineer:

J. Andy Dickey, PE

(928) 203-5039

ADickey@SedonaAZ.gov

\$ FY20 Project Budget: \$654,000

Total Project Budget: \$690,000

The 2017 Wastewater Master Plan Update included an evaluation of collection system capacity using sewer modeling. The 8-inch sewer main that runs along SR179 between Highland Road and Copper Cliffs Drive showed minor surcharging and insufficient capacity. The project will increase the size of the sewer pipe to 12-inch, which will allow for sufficient capacity through system buildout flow conditions. The project will also replace a deteriorated 12-inch sewer line running under the pedestrian bridge at Tlaquepaque with new pipe.

Considerations for trenchless technology such as pipe bursting will be considered in order to minimize impact to the existing roadway.

Status: Sunrise Engineering is continuing 30% design plans. Once complete, a review of the pipe layout will be done by city staff and the Construction Manager at Risk, Kinney Construction, LLC.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

August 2019

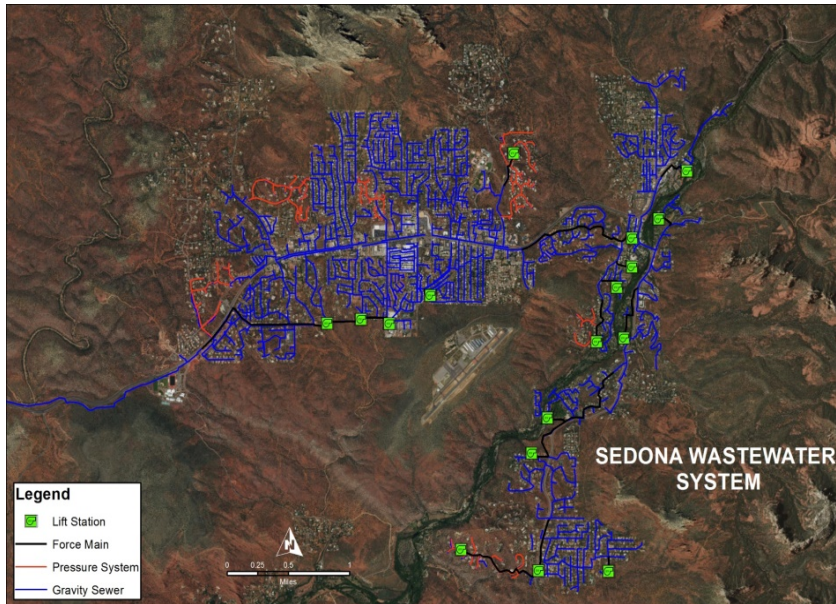
Project Phase	% Completion	Completion Date
Design	25%	Summer 2019
Construction	0%	Winter 2020



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Brewer Road Force Main Valve Replacements

FY20 CIP Update



KEY FEATURES:

Consultant: TBD

Contractor: TBD

Timing: Spring 2020 – FY 21

Construction Challenges:

- Potential by-pass operations
- Maintaining sewer service in the area
- Valve accessibility

Project Manager:

Roxanne Holland, PE
 (928) 203-5069

RHolland@SedonaAZ.gov

City Engineer:

J. Andy Dickey, PE
 (928) 203-5039

ADickey@SedonaAZ.gov

\$ FY20 Project Budget: \$40,000
Total Project Budget: \$190,000

The 2017 Wastewater Master Plan Update (WWMP) included both condition assessments of existing sewer infrastructure and capacity analysis of the sewer collection system. During the evaluations, it was determined that the capacity of the Brewer Road Force Main is adequate for current and future flows, however the air release/vacuum breaking valves should be replaced in order to maintain proper functionality of the force main.

Status: Design for this project will begin in Spring 2020, with construction scheduled for FY2021.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

August 2019

Project Phase	% Completion	Completion Date
Design	0%	Spring 2020
Construction	0%	Winter 2020



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WWRP Grit Classifier Replacement

FY20 CIP Update



KEY FEATURES:

Consultant: N/A

Contractor: Western Environmental Equipment Company

Construction Challenges:

- Maintaining operation during construction

Project Manager:

Roxanne Holland, PE
 (928) 203-5069
RHolland@SedonaAZ.gov

City Engineer:

J. Andy Dickey, PE
 (928) 203-5039
ADickey@SedonaAZ.gov

\$ FY20 Project Budget: \$150,000
Total Project Budget: \$150,000

The grit classifier is an essential part of the wastewater treatment process. The grit classifier separates and removes grit after primary treatment (barscreens) prior to the aeration basins. The removal of grit (rocks, gravel, sand, and organic material) is important to keep solids handling and disposal to a minimum. This project will replace the existing grit classifier with new equipment.

Status: A contract with Western Environmental Equipment Company will be presented to City Council for approval on September 24, 2019.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

August 2019

Project Phase	% Completion	Completion Date
Design	0%	Winter/Spring 2019
Construction	0%	Winter 2019